



WHI Baseline and Follow-Up Data  
**Form 39 - Cognitive Assessment**

**Data File:** f39\_ct\_pub

**File Date:** 06/11/2007

**Structure:** Multiple rows per participant

**Population:** Subsample of HT participants

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### Participant ID

**Variable #** 1

**Usage Notes:** none

**Sas Name:** ID

**Categories:** Study: Administration

**Sas Label:** Participant ID

**Type:** Continuous

---

### F39 Days since randomization/enrollment

**Variable #** 2

**Usage Notes:** none

**Sas Name:** F39DAYS

**Categories:** Study: Administration

**Sas Label:** F39 Days since randomization/enrollment

**Type:** Continuous

---

### F39 Visit type

**Variable #** 3

**Usage Notes:** none

**Sas Name:** F39VTYP

**Categories:** Study: Administration

**Sas Label:** Visit type

**Type:** Categorical

**Values**

1	Screening Visit
2	Semi Annual Visit
3	Annual Visit
4	Non Routine Visit

---

### F39 Visit year

Visit year for which this form was collected.

**Variable #** 4

**Usage Notes:** none

**Sas Name:** F39VY

**Categories:** Study: Administration

**Sas Label:** Visit year

**Type:** Continuous

---

### F39 Closest to visit within visit type and year

For forms entered with the same visit type and year, indicates the one closest to that visit's target date. Valid for forms entered with an annual or semi-annual visit type.

**Variable #** 5

**Usage Notes:** See data preparation document.

**Sas Name:** F39VCLO

**Categories:** Study: Administration

**Sas Label:** Closest to visit within visit type and year

**Type:** Categorical

**Values**

0	No
1	Yes

---

**Form 39 - Cognitive Assessment****Data File:** f39\_ct\_pub**File Date:** 06/11/2007**Structure:** Multiple rows per participant**Population:** Subsample of HT participants**F39 Expected for visit**

This form/data was expected for this visit. On or prior to July 15, 1996, Form 39 (Cognitive Assessment) was expected at Baseline and years 1, 3, 6, 9 for a subsample of HT participants. After July 15, 1996 a Form 39 was expected at Baseline and years 1, 3, 6, 9 for HT participants who were 65 years or older at screening. NOTE: Form 39 was required annually for participants enrolled in the WHIMS Ancillary Study, however these were not considered expected for the Main WHI study.

**Variable #** 6**Usage Notes:** none**Sas Name:** F39EXPC**Categories:** Study: Administration**Sas Label:** F39 Expected for visit**Type:** Categorical**Values**

0 No

1 Yes

**F39 Birth month answer code****Variable #** 7**Usage Notes:** none**Sas Name:** BIRTHMC**Categories:** Clinical Tests: Cognitive**Sas Label:** F39 Birth month answer code**Type:** Categorical**Values**

0 Answer does not match birth month

1 Answer matches birth month

9 Not answered/missing

**F39 Birth day answer code****Variable #** 8**Usage Notes:** none**Sas Name:** BIRTHDC**Categories:** Clinical Tests: Cognitive**Sas Label:** F39 Birth day answer code**Type:** Categorical**Values**

0 Answer does not match birth day

1 Answer matches birth day

9 Not answered/missing

**F39 Birth year answer code****Variable #** 9**Usage Notes:** none**Sas Name:** BIRTHYC**Categories:** Clinical Tests: Cognitive**Sas Label:** F39 Birth year answer code**Type:** Categorical**Values**

0 Answer does not match birth year

1 Answer matches birth year

9 Not answered/missing



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### F39 Birth city/town

Where were you born: city/town

**Variable #** 10

**Usage Notes:** none

**Sas Name:** BRTHCITY

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Birth city/town

**Type:** Categorical

#### Values

0	Can't do/refused
---	------------------

1	Answer given
---	--------------

9	Not attempted/disabled
---	------------------------

### F39 Birth state/country

Where were you born: state/country

**Variable #** 11

**Usage Notes:** none

**Sas Name:** BRTHST

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Birth state/country

**Type:** Categorical

#### Values

0	Can't do/refused
---	------------------

1	Answer given
---	--------------

9	Not attempted/disabled
---	------------------------

### F39 Socks/Shirt - first trial

**Variable #** 12

**Usage Notes:** none

**Sas Name:** SOCKS1

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Socks/Shirt - first trial

**Type:** Categorical

#### Values

0	Error/refused
---	---------------

1	Answer given
---	--------------

9	Not attempted/disabled
---	------------------------

### F39 Blue/Brown - first trial

**Variable #** 13

**Usage Notes:** none

**Sas Name:** BLUE1

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Blue/Brown - first trial

**Type:** Categorical

#### Values

0	Error/refused
---	---------------

1	Answer given
---	--------------

9	Not attempted/disabled
---	------------------------



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**F39 Charity/Honesty - first trial**

**Variable #** 14

**Sas Name:** CHARITY1

**Sas Label:** Charity/Honesty - first trial

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Answer given
9	Not attempted/disabled

---

**F39 Presentations for participant**

Number of presentations (up to 7) necessary for the participant to repeat the sequence of words "socks, blue, charity" or "shirt, brown, honesty"

**Variable #** 15

**Sas Name:** PRESNO

**Sas Label:** Presentations for participant

**Type:** Continuous

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**F39 Count from 1 to 5**

**Variable #** 16

**Sas Name:** COUNT5

**Sas Label:** Count from 1 to 5

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Unable to count forward
1	Able to count forward

---

**F39 Count backwards from 5 to 1: 1st number**

**Variable #** 17

**Sas Name:** NUMBER1

**Sas Label:** 1st number

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

---

**F39 Count backwards from 5 to 1: 2nd number**

**Variable #** 18

**Sas Name:** NUMBER2

**Sas Label:** 2nd number

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

---



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**F39 Count backwards from 5 to 1: 3rd number**

**Variable #** 19

**Sas Name:** NUMBER3

**Sas Label:** 3rd number

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

**F39 Count backwards from 5 to 1: 4th number**

**Variable #** 20

**Sas Name:** NUMBER4

**Sas Label:** 4th number

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

**F39 Count backwards from 5 to 1: 5th number**

**Variable #** 21

**Sas Name:** NUMBER5

**Sas Label:** 5th number

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

**F39 Spell WORLD**

**Variable #** 22

**Sas Name:** SPWORLD

**Sas Label:** Spell world

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Unable to spell
1	Able to spell

**F39 Spell WORLD backwards: 1st letter**

**Variable #** 23

**Sas Name:** LETTER1

**Sas Label:** 1st letter

**Type:** Categorical

**Usage Notes:** World in Spanish is "MUNDO"

**Categories:** Clinical Tests: Cognitive

**Values**

**F39 Spell WORLD backwards: 2nd letter**

**Variable #** 24

**Sas Name:** LETTER2

**Sas Label:** 2nd letter

**Type:** Categorical

**Usage Notes:** World in Spanish is "MUNDO"

**Categories:** Clinical Tests: Cognitive

**Values**



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**F39 Spell WORLD backwards: 3rd letter**

**Variable #** 25

**Usage Notes:** World in Spanish is "MUNDO"

**Sas Name:** LETTER3

**Categories:** Clinical Tests: Cognitive

**Sas Label:** 3rd letter

**Type:** Categorical

**Values**

---

**F39 Spell WORLD backwards: 4th letter**

**Variable #** 26

**Usage Notes:** World in Spanish is "MUNDO"

**Sas Name:** LETTER4

**Categories:** Clinical Tests: Cognitive

**Sas Label:** 4th letter

**Type:** Categorical

**Values**

---

**F39 Spell WORLD backwards: 5th letter**

**Variable #** 27

**Usage Notes:** World in Spanish is "MUNDO"

**Sas Name:** LETTER5

**Categories:** Clinical Tests: Cognitive

**Sas Label:** 5th letter

**Type:** Categorical

**Values**

---

**F39 Socks/Shirt - remember earlier**

**Variable #** 28

**Usage Notes:** none

**Sas Name:** SOCKS2

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Socks/Shirt - remember earlier

**Type:** Categorical

**Values**

0 Unable to recall/refused

1 After Was it shirt, shoes, or socks

2 Correct word/incorrect form; to wear

3 Spontaneous recall

9 Not attempted/disabled

---

**F39 Blue/Brown - remember earlier**

**Variable #** 29

**Usage Notes:** none

**Sas Name:** BLUE2

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Blue/Brown - remember earlier

**Type:** Categorical

**Values**

0 Unable to recall/refused

1 After Was it blue, black, brown

2 Correct word/incorrect form; a color

3 Spontaneous recall

9 Not attempted/disabled

---



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**F39 Charity/Honesty - remember earlier**

**Variable #** 30  
**Sas Name:** CHARITY2  
**Sas Label:** Charity/Honesty - remember earlier  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

Values	
0	Unable to recall/refused
1	After Was it honesty, charity, modesty
2	Correct word/incorrect form; a quality
3	Spontaneous recall
9	Not attempted/disabled

**F39 Today's month answer code**

**Variable #** 31  
**Sas Name:** TODAYMC  
**Sas Label:** F39 Today's month answer code  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

Values	
0	Answer is not within one month of today's month
1	Answer matches today's month exactly
2	Answer is one month either side of today's month
9	Not answered/missing

**F39 Today's day answer code**

**Variable #** 32  
**Sas Name:** TODAYDC  
**Sas Label:** F39 Today's day answer code  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

Values	
0	Answer is not within 5 days of today's day
1	Answer matches today's day exactly
2	Answer is 1 to 2 days either side of today's day
3	Answer is 3 to 5 days either side of today's day
9	Not answered/missing



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**F39 Today's year answer code**

**Variable #** 33  
**Sas Name:** TODAYYC  
**Sas Label:** F39 Today's year answer code  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

Values	
0	Answer is not within 5 years of today's year
1	Answer matches today's year exactly
2	Answer is one year either side of today's year
3	Answer is 2 to 5 years either side of today's year
9	Not answered/missing

**F39 What is the day of the week**

**Variable #** 34  
**Sas Name:** DAYWEEK  
**Sas Label:** What is the day of the week  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

Values	
0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 What season of the year is it**

**Variable #** 35  
**Sas Name:** SEASON  
**Sas Label:** What season of the year is it  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

Values	
0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 What state are we in**

**Variable #** 36  
**Sas Name:** STATE  
**Sas Label:** What state are we in  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

Values	
0	Error/refused
1	Correct
9	Not attempted/disabled





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**F39 What country are we in**

**Variable #** 37

**Usage Notes:** none

**Sas Name:** COUNTRY

**Sas Label:** What country are we in

**Categories:** Clinical Tests: Cognitive

**Type:** Categorical

**Values**

0 Error/refused

1 Correct

9 Not attempted/disabled

**F39 What city/town are we in**

**Variable #** 38

**Usage Notes:** none

**Sas Name:** CITY

**Sas Label:** What city/town are we in

**Categories:** Clinical Tests: Cognitive

**Type:** Categorical

**Values**

0 Error/refused

1 Correct

9 Not attempted/disabled

**F39 Are we in a clinic, store, or home**

**Variable #** 39

**Usage Notes:** none

**Sas Name:** CLINIC

**Sas Label:** In a clinic, store, or home

**Categories:** Clinical Tests: Cognitive

**Type:** Categorical

**Values**

0 Error/refused

1 Correct

9 Not attempted/disabled

**F39 Pencil: What is this**

**Variable #** 40

**Usage Notes:** none

**Sas Name:** PENCIL

**Sas Label:** Pencil: What is this

**Categories:** Clinical Tests: Cognitive

**Type:** Categorical

**Values**

0 Error/refused

1 Correct

9 Not attempted/disabled



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**F39 Watch: What is this**

**Variable #** 41

**Sas Name:** WATCH

**Sas Label:** Watch: What is this

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 Forehead: What do you call this part of face**

**Variable #** 42

**Sas Name:** FOREHEAD

**Sas Label:** Forehead: What part of face

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 Chin: And this part**

**Variable #** 43

**Sas Name:** CHIN

**Sas Label:** Chin: And this part

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 Shoulder: And this part of the body**

**Variable #** 44

**Sas Name:** SHOULDER

**Sas Label:** Shoulder: And this body part

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled



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**F39 Elbow: And this part**

**Variable #** 45

**Sas Name:** ELBOW

**Sas Label:** Elbow: And this part

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 Knuckle: And this part of the hand**

**Variable #** 46

**Sas Name:** KNUCKLE

**Sas Label:** Knuckle: And this part of hand

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 What animals have four legs**

What animals have four legs? Tell me as many as you can (in 30 seconds).

**Variable #** 47

**Sas Name:** ANIMALS

**Sas Label:** What animals have four legs

**Type:** Continuous

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**F39 In what way are an arm and a leg alike**

**Variable #** 48

**Sas Name:** ARMLEG

**Sas Label:** Arm and leg alike

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Lesser correct answer
2	Limbs, extremities
9	Not attempted/disabled



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---

**F39 In what way are laughing and crying alike**

**Variable #** 49

**Usage Notes:** none

**Sas Name:** EMOTIONS

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Laughing and crying alike

**Type:** Categorical

**Values**

0	Error/refused
1	Lesser correct answer
2	Expressions of feelings, emotions
9	Not attempted/disabled

---

**F39 In what way are eating and sleeping alike**

**Variable #** 50

**Usage Notes:** none

**Sas Name:** EATSLEEP

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Eating and sleeping alike

**Type:** Categorical

**Values**

0	Error/refused
1	Lesser correct answer
2	Necessary bodily functions, essential for life
9	Not attempted/disabled

---

**F39 Repeat what I say: I would like to go out**

**Variable #** 51

**Usage Notes:** none

**Sas Name:** SENTENCE

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Repeat: I would like to go out

**Type:** Categorical

**Values**

0	3 or more words missed/refused
1	1 or 2 words missed
2	Correct
9	Not attempted/disabled

---

**F39 Now repeat: No ifs**

**Variable #** 52

**Usage Notes:** none

**Sas Name:** NOIFS

**Categories:** Clinical Tests: Cognitive

**Sas Label:** No ifs

**Type:** Categorical

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled

---



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**F39 AndS**

**Variable #** 53

**Usage Notes:** none

**Sas Name:** ANDS

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Ands

**Type:** Categorical

**Values**

0	Error/refused
---	---------------

1	Correct
---	---------

9	Not attempted/disabled
---	------------------------

---

**F39 Or buts**

**Variable #** 54

**Usage Notes:** none

**Sas Name:** ORBUTS

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Or buts

**Type:** Categorical

**Values**

0	Error/refused
---	---------------

1	Correct
---	---------

9	Not attempted/disabled
---	------------------------

---

**F39 Please do this**

**Variable #** 55

**Usage Notes:** none

**Sas Name:** DOTHIS

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Please do this

**Type:** Categorical

**Values**

0	Does not read aloud or close eyes/refuse
---	--

1	Reads aloud, but does not close eyes
---	--------------------------------------

2	Closes eyes after prompting
---	-----------------------------

3	Closes eyes without prompting
---	-------------------------------

9	Not attempted/disabled
---	------------------------

---

**F39 Write "would"**

**Variable #** 56

**Usage Notes:** none

**Sas Name:** WRWOULD

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Write Would

**Type:** Categorical

**Values**

0	Error/refused
---	---------------

1	Correct
---	---------

9	Not attempted/disabled
---	------------------------

---



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**F39 Write "like"**

**Variable #** 57

**Sas Name:** WRLIKE

**Sas Label:** Write Like

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 Write "to"**

**Variable #** 58

**Sas Name:** WRTO

**Sas Label:** Write To

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 Write "go"**

**Variable #** 59

**Sas Name:** WRGO

**Sas Label:** Write Go

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled

**F39 Write "out"**

**Variable #** 60

**Sas Name:** WROUT

**Sas Label:** Write Out

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	Error/refused
1	Correct
9	Not attempted/disabled



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**F39 Hand participant uses to write**

**Variable #** 61  
**Sas Name:** WRHAND  
**Sas Label:** Hand participant uses to write  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

**Values**

1	Right
2	Left
9	Unknown

---

**F39 Pentagon 1**

**Variable #** 62  
**Sas Name:** PENTAGN1  
**Sas Label:** Pentagon 1  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

**Values**

0	Less than 2 lines/refused
1	2 or more lines, not an enclosure
2	Nonpentagon enclosed figure
3	5 sides, but longest:shortest side > 2:1
4	5 approximately equal sides
9	Not attempted/disabled

---

**F39 Pentagon 2**

**Variable #** 63  
**Sas Name:** PENTAGN2  
**Sas Label:** Pentagon 2  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

**Values**

0	Less than 2 lines/refused
1	2 or more lines, not an enclosure
2	Nonpentagon enclosed figure
3	5 sides, but longest:shortest side > 2:1
4	5 approximately equal sides
9	Not attempted/disabled

---

**F39 Intersection**

**Variable #** 64  
**Sas Name:** INTERSEC  
**Sas Label:** Intersection  
**Type:** Categorical

**Usage Notes:** none  
**Categories:** Clinical Tests: Cognitive

**Values**

0	No enclosure/refused
1	Other than 4-cornered enclosure
2	4-cornered enclosure
9	Not attempted/disabled

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**F39 Takes paper in correct hand**

**Variable #** 65

**Usage Notes:** none

**Sas Name:** TAKEPAPR

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Takes paper in correct hand

**Type:** Categorical

**Values**

0	Error/refused
---	---------------

1	Correct
---	---------

9	Not attempted/disabled
---	------------------------

---

**F39 Folds paper in half**

**Variable #** 66

**Usage Notes:** none

**Sas Name:** FOLDPAPR

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Folds paper in half

**Type:** Categorical

**Values**

0	Error/refused
---	---------------

1	Correct
---	---------

9	Not attempted/disabled
---	------------------------

---

**F39 Hands paper back**

**Variable #** 67

**Usage Notes:** none

**Sas Name:** HANDBACK

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Hands paper back

**Type:** Categorical

**Values**

0	Error/refused
---	---------------

1	Correct
---	---------

9	Not attempted/disabled
---	------------------------

---

**F39 Socks/Shirt - remember earlier 2**

**Variable #** 68

**Usage Notes:** none

**Sas Name:** SOCKS3

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Socks/Shirt - remember earlier 2

**Type:** Categorical

**Values**

0	Unable to recall/refused
---	--------------------------

1	After Was it shirt, shoes, or socks
---	-------------------------------------

2	Correct word/incorrect form; to wear
---	--------------------------------------

3	Spontaneous recall
---	--------------------

9	Not attempted/disabled
---	------------------------

---





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**F39 Blue/Brown - remember earlier 2**

**Variable #** 69

**Usage Notes:** none

**Sas Name:** BLUE3

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Blue/Brown - remember earlier 2

**Type:** Categorical

**Values**

0	Unable to recall/refused
1	After Was it blue, black, brown
2	Correct word/incorrect form; a color
3	Spontaneous recall
9	Not attempted/disabled

---

**F39 Charity/Honesty - remember earlier 2**

**Variable #** 70

**Usage Notes:** none

**Sas Name:** CHARITY3

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Charity/Honesty - remember earlier 2

**Type:** Categorical

**Values**

0	Unable to recall/refused
1	After Was it honesty, charity, modesty
2	Correct word/incorrect form; a quality
3	Spontaneous recall
9	Not attempted/disabled

---

**F39 Tell again where were you born: city/town**

**Variable #** 71

**Usage Notes:** none

**Sas Name:** BRTHCTYR

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Birth city/town - again

**Type:** Categorical

**Values**

0	Does not match/refused
1	Matches
9	Not attempted/disabled

---

**F39 Tell again where were you born: state/country**

**Variable #** 72

**Usage Notes:** none

**Sas Name:** BRTHSTR

**Categories:** Clinical Tests: Cognitive

**Sas Label:** Birth state/country - again

**Type:** Categorical

**Values**

0	Does not match/refused
1	Matches
9	Not attempted/disabled

---



WHI Baseline and Follow-Up Data  
**Form 39 - Cognitive Assessment**

**Data File:** f39\_ct\_pub      **File Date:** 06/11/2007      **Structure:** Multiple rows per participant      **Population:** Subsample of HT participants

**F39 Special problems**

**Variable #** 73

**Sas Name:** SPECPROB

**Sas Label:** Special problems

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

0	No
1	Yes

**F39 Primary problem**

**Variable #** 74

**Sas Name:** PRIMPROB

**Sas Label:** Primary problem

**Type:** Categorical

**Usage Notes:** Sub-question of F39 V2 Q19 "Special problems".

**Categories:** Clinical Tests: Cognitive

**Values**

1	Vision
2	Hearing
3	Inability to write due to injury/illness
4	Illiteracy/lack of education
5	Language (difficulty speaking English)
8	Other

**F39 Hand used to throw a ball**

**Variable #** 75

**Sas Name:** HANDTHRW

**Sas Label:** Hand used to throw a ball

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

1	Always left
2	Usually left
3	No preference
4	Usually right
5	Always right
9	Unknown

**F39 Hand used to hold a toothbrush**

**Variable #** 76

**Sas Name:** HANDHOLD

**Sas Label:** Hand used to hold a toothbrush

**Type:** Categorical

**Usage Notes:** none

**Categories:** Clinical Tests: Cognitive

**Values**

1	Always left
2	Usually left
3	No preference
4	Usually right
5	Always right
9	Unknown



WHI Baseline and Follow-Up Data  
**Form 39 - Cognitive Assessment**

**Data File:** f39\_ct\_pub      **File Date:** 06/11/2007      **Structure:** Multiple rows per participant      **Population:** Subsample of HT participants

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**F39 language**

**Variable #** 77  
**Sas Name:** F39LANG  
**Sas Label:** F39 language  
**Type:** Categorical

**Usage Notes:** none  
  
**Categories:** Clinical Tests: Cognitive  
Study: Administration

**Values**

1	English
2	Spanish

---

**F39 3SME Score**

**Variable #** 78  
**Sas Name:** F393MSE  
**Sas Label:** F39 3MSE Score  
**Type:** Continuous

**Usage Notes:** If a response is "unknown", "not attempted/disabled", or missing (and there is a "not attempted/disabled" option), the algorithm adjusts the scoring of the question to prevent the participant from being penalized as if she had given an incorrect response. The maximum points awarded for the question are subtracted from a counter set initially at 100. Once all questions have been tallied, this counter becomes the denominator in determining the score - the percentage of correct answers versus the number of total possible points for that participant. For example, if question 6.3 ("What season of the year is it?") is "not attempted/disabled" or missing, 1 point is subtracted from the total possible score. If this is the only such question on the Form 39, the score would be computed as a percentage of total points earned out of 99 possible points. If the total points discounted as missing, "unknown", or "not attempted/disabled" exceeds 20 (the denominator is less than 80), the test is not considered valid (indicated by a score of -9).  
  
**Categories:** Clinical Tests: Cognitive  
Computed Variables